

5262846



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

NO 20.02.20

**D5802-1**  
**Job Sheet 207416**



Part No: D5802-1

Job Qty: 4 pcs

Part Name: Treadplate



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 2/25/20

Job Tracking No:

Created By: Jennifer Renwick

Due Date: 3/6/20

Type: Stock

Description:

Note: URF 20-522 DWG D5802 REV.A IPP REV:A NEW ISSUE 2020.01.27 DP VERF:DD

Ship Via:

POSITIVE RECALL

EFFECTIVE \_\_\_\_\_ AUTH \_\_\_\_\_

RELEASED \_\_\_\_\_ DATE \_\_\_\_\_

Placed by mistake

NO 20.02.20

## Bill of Materials

## Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Waterjet - Omax - 1	4 pcs	3/6/20	3/6/20	0.17	0.40	Waterjet - Omax		on 20/03/11
110	QC 2	4 pcs	3/6/20	3/6/20	0.00	0.00	QC 2 - 1		
							QC 2 - 12		
							QC 2 - 14		
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		on 20/03/11
							QC 2 - 49		
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 57		
							QC 2 - 62		
							QC 2 - 63		
							QC 2 - 8		
							QC 2 - 66		
							QC 2 - 64		
							QC 2 - 65		

Plex 2/26/20 10:04 AM Dart.lajeunesse.marie

120 QC 8 4 pcs 3/6/20 0.00 0.00

QC 2 - 5

QC 2 - 71

QC 2 - 73

QC 2 - 69

QC 2 - 76

QC 8 - 12

QC 8 - 14

QC 8 - 17

QC 8 - 20

QC 8 - 25

QC 8 - 3

QC 8 - 32

QC 8 - 33

QC 8 - 35

QC 8 - 39

QC 8 - 4

QC 8 - 44

QC 8 - 45

QC 8 - 49

QC 8 - 58

QC 8 - 8

QC 8 - 9

QC 8 - 68

QC 8 - 67

QC 8 - 1 (A)

QC 8 - 47

QC 8 - 40

QC 8 - 52

QC 8 - 23

QC 8 - 57

QC 8 - 76

QC 8 - 61

Packaging 3 - 1 - B4B

Packaging 3 - 2 - B4B

Packaging 3 - 3 - B4B

Packaging 3 - 4 - B4B

Packaging 3 - 5 - B4B

Packaging 3 - 37 - B4B

140 QC 21 - SA 4 pcs 3/6/20 0.00 0.00

QC 21 - SA - 21

QC 21 - SA - 70

Part Op 100 - 1-Cut as per DWG. DWG. Rev: 1 PROG. Rev: 1 2-Deburr if necessary

Descriptions: 110 - QC2- Inspect parts off machine FAI/FAIB

120 - QC8- Inspect parts - second check

130 - Identify as per dwg & Stock Location: \_\_\_\_\_

140 - QC21- Final Inspection - Work Order Release

## Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M3003H22TP-0.063	3003-H22 Aluminum Treadplate, 1/16" Thick	9.3200 (2.33 ea)	100-Waterjet - Omax - 1	5262076

## Job Allocations

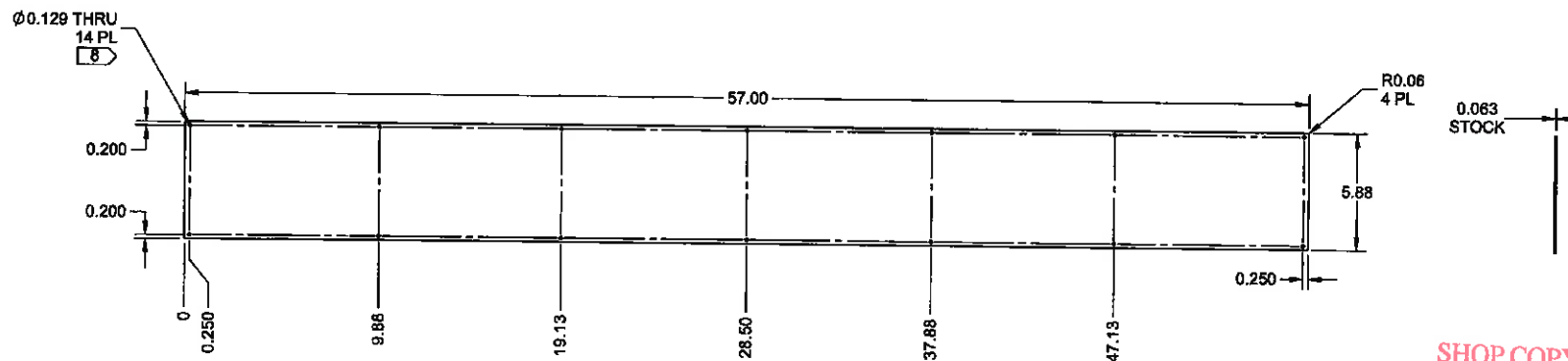
Operation	Component Part	Required	Inventory	Allocated
100-Waterjet - Omax - 1	M3003H22TP-0.063	9	0	0

## Part Specifications

Specifications could not be found.







**D5802-1 TREADPLATE**

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER

NO. 207416 MLW  
20-02-26

UNDER REVIEW  
URF 2020-522 20.02.14 (NO)

**RELEASED**

2020 FEB 18 *AD*  
ECN 2020-521

- NOTES:**
- 1) MATERIAL: 3003-H22 ALUMINUM TREADPLATE, 1/16 THICK  
REF DART SPEC M3003H22TP
  - 2) FINISH: NONE
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: IDENTIFY PER DART QSI 044
  - 7) WEIGHT: 2.04 lbs
  - 8) SPOTFACE  $\phi 0.250$  TO DEPTH OF TREADS IF REQUIRED.

A		NEW ISSUE		ZF		20.01.13	
REV.		DESCRIPTION		BY		DATE	
DESIGN	ZF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA DRAWING NO. <b>D5802</b> TITLE <b>TREADPLATE</b>				REV. A	
DRAWN	ZF					SHEET 1 OF 4	
CHECKED	KPT					SCALE	
MFG. APPR.	DD					NTS	
APPROVED	NO						
DE APPR.	CP						
DATE	20.01.13						

APPROVED

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Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER POHB045985



**Supplier:** ACI001-VC  
Acier Ouellette Inc.  
935 Boul. Du Havre  
Valleyfield  
QC  
J6S 5L1 Canada  
Phone: 800 667 4248  
Fax: 450 377 5696

**Attention:** Langevin, Melanie

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**PO No:** POHB045985

**PO Date:** 2/28/20

**Due Date:** 3/12/20

**Purchase Order**

**Revision:**

**Revision Date:**

**Issued By:** Lavoie, Chantal  
Phone: 613-623-5200 Ext: 242  
Fax: 613-632-1053  
clavoie@dartaero.com

E-MAILED  
FEB 29 2020

**Via:** Ground

**Pynt Terms:** Net 60

**Freight Terms:**

**Special Comments:** quote no. sou0243954

## Items

Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		M3003H22TP-0.063		PPA-116410	3003-H22 Aluminum Treadplate, 1/16" Thick	Firmed -		3/12/20	240 sf	0 sf	240 sf	\$9,031.17/sf	\$2,167.48
												Grand Total:	\$2,167.48

## Order Notes

### Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable). No Raw Metals from China or Soviet Bloc Countries. (DFARS)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program.

A049 supplier awareness.

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 2/28/20 1:47 PM Dart.Lavoie,Chantal

**ACIER OUELLETTE INC.**

935, Boul. du H vre  
Salaberry de Valleyfield (Qu bec) J6S 5L1  
T l.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**DELIVERY - CLIENT**

CO00194380

<b>Billed to</b> DART AEROSPACE LTD  1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7	<b>Shipped to</b>  1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7  Att : CHANTAL LAVOIE T�l.: 613-632-5200	<b>Customer N�</b> CLI0001056 <b>Date</b> 2020/02/28 <b>Delivery date</b> <b>2020/03/09</b> <b>Your order N�</b> POHB045985 <b>Processed by</b> Josianne Bourdon <b>Salesman</b> JOSIANNE BOURDON <b>Carrier</b> OUELLETTE VALLEYFIELD <b>Credit Terme</b> Net 30 Days
<b>Instruction</b> F-M	<b>Delivery Route</b> 5	

Product Description	Weight	Qty	UM	PCS NB			Internal Use Only				
				CMD	EXP	S/O	IN	I	S	C	OUT
1 FLOOR PLATE ALU 1/16 3003-H22 (4 X 10) DART PPAD-116410 13487 6 X 4' X 10' POHB045985 - LINE 1 HEAT : 255102 / 9767 AC34459-YAR-05/03	241.92	240.00	PI2_\$CLB		6 X 4' X 10'						
		1.00	UN_\$UN								
<b>Note : ATTENTION: MILL TEST REQUIS</b> Chaque item identifier avec : <ul style="list-style-type: none"><li>- Le # PO client</li><li>- Le # d'item</li><li>- Le heat #</li><li>- Emballer les pi�ces dans carton</li></ul>											

<b>Conditions :</b> All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.	<b>Total Weight (Lbs) :</b> 241.92	<b>NIR : R-109516-6</b>
Prepared By :  Verified By :  Delivered By : 	Time :  	 Customer's Signature  Date : 2020/03/09

DART AEROSPACE LTD.

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M3003H22TP-0.063

PO / BATCH NO.: POH13045885

DATE: MAR 09 2020

5262076

MATERIAL CERT REC'D: YES  
 QUANTITY RECEIVED: 240 SA  
 QUANTITY INSPECTED: 240 SA  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .063  
 THICKNESS RECEIVED: .066  
 SHEET SIZE ORDERED: 4' x 10'  
 SHEET SIZE RECEIVED: 7' x 10'

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> N	NONE ON DRAWING / ASTM B209 WILL TEST
CORRECT THICKNESS	<input checked="" type="checkbox"/> N	SPECS NOT REQUIRED
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> N	H/T 255102/9967
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.

RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: _____	DAS 82 9-89	SIGNED OFF BY: _____	
DATE: <u>MAR 09 2020</u>		DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

M3003H22TP-0.063

**SPECIFICATION CONTROL DRAWING**

PURCHASE MATERIAL: 3003-H22 ALUMINUM TREADPLATE

PART NUMBER: M3003H22TP-X.XXX  
THICK

WHERE X.XXX = THICKNESS IN INCHES

EG. 1/16 THICK TREAD PLATE = M3003H22TP-0.063

2003

RELEASED

2020 FEB 18 NO  
ECN 2020-521

APPROVED

A	NEW ISSUE		ZF	20.01.17
REV.	DESCRIPTION		BY	DATE
DESIGN	ZF	<b>DART AEROSPACE LTD</b>		
DRAWN	ZF	HAWKESBURY, ONTARIO, CANADA		
CHECKED	KPT	DRAWING NO.		REV. A
MFG. APPR.	SH	M3003H22TP		SHEET 1 OF 1
APPROVED	NO	TITLE		SCALE
DE APPR.	CP	ALUMINUM TREADPLATE		NTS
DATE	20.01.17	COPYRIGHT © 2020 BY DART AEROSPACE LTD THIS DOCUMENT, SERVICE AND CONFIDENTIAL AND IS SUPPLIED UNDER A PROPRIETARY AGREEMENT THAT IT IS NOT TO BE USED FOR ANY PURPOSE, OR REPRODUCED OR COMMUNICATED TO ANY OTHER PERSON, WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.		



MILL TEST REPORT

EMPIRE RESOURCES INC.

This MTR contains: 1 pages (Page: 1)

Order: YARCO1 Company: YARCO METALS, INC.  
MTR: IPCLU00073 FOR: P11070000000: U05778  
Item: 063483003H22 Bundle: 1198-11-3-1 Hatching: 255102

IPCLU00073

**impol**

Aluminium Industry  
Impol d.o.o.  
Partizanska ulica 38  
2310 Slovenska Bistrica  
Slovenija

Tel.: +386 2 8453 100, 8187 521  
Fax: +386 2 8181 219

Page 1 Pages 2

EMPIRE RESOURCES INC. (U.S.A.)  
2115 LINWOOD AVENUE 2ND FLOOR  
US-07024 FORT LEE, NEW JERSEY  
UNITED STATES OF AMERICA

Order No.: 84935000  
Packing list No.: 11994  
Netto: 34943 lb  
Slovenska Bistrica  
MADE IN SLOVENIA  
2019-05-10

INSPECTION CERTIFICATE EN 10204/3.1  
No.: 11994

Item	Product description	Our order No.: 49650/1
793414	Your order No.: U05655 AL TREAD STRIP AA 3003 H22 DIAMOND / BRIGHT 0,063"x8" (1,6/2,6x1219,2 mm) ASTM	Netto: 27496 lb

We declare that the test results correspond to the prescribed norm  
ASTM B209 IMPOL IMPOL  
what is characterized with test results:

MECHANICAL PROPERTIES

Charge	Lot	Ult. tensile ksi 17,4-26,1	Yield strength ksi Min: 12,0	Elongation in 2 in % Min: 8,0	Hardness HKA7	Hardness HKB	Brinell mm	Swing %	Conductivity MS/m	Brinell 90° 2	Brinell 100°	Z %	Por.
255102	9766	21,6	19,2	12,9	-	-	-	-	-	-	-	-	-
255102	9767	23,1	20,9	14,9	-	-	-	-	-	-	-	-	-
255102	9767	22,9	20,9	14,5	-	-	-	-	-	-	-	-	-
255102	9768	23,5	21,2	14,9	-	-	-	-	-	-	-	-	-

CHEMICAL COMPOSITION

Charge	Si %	Fe %	Cu %	Mn %	Zn %	Cr %	Ni %	Pb %	Al %
255102	0,05	0,59	0,00	1,1	0,009	0,0002	0,002	0,0002	99,998
255102	0,05	0,45	0,07	1,1	0,01	0,0003	0,0005	0,0005	99,999
255102	0,12	0,49	0,06	1,0	0,005	0,0001	0,0003	0,0003	99,999
255102	0,12	0,47	0,07	1,0	0,005	0,0001	0,0010	0,0010	99,999

Aluminium products are in compliance with the regulations:

- Directive 2011/65/EU (RoHS) and
- Directive 2000/53/EC (ELV).

Impol Quality & Research  
Managing Director  
Dr. Václav Kozák

**impol**  
Impol d.o.o.  
Partizanska ulica 38  
2310 Slovenska Bistrica  
Slovenija

Impol d.o.o.  
Managing Director  
Andrej Robnatič

INC. CERTIFIES THAT  
THIS IS A TRUE COPY OF THE ORIGINAL  
MILL TEST REPORT NOW ON FILE  
RECEIVED AND INSPECTED

JAN 07 2020

BY: *Kate Vincent*  
Kate Vincent, Certification Processor

This organization has certified quality management system according to ISO 9001.  
This facility declares that the products manufactured are in accordance with the requirements of the order.  
Ovba je vplacno v register pri Obratovnem sodišču v Ljubljani - Reg. št. vpisno št. 06/01915 - Zbirnik osnovnega kapitala 16.954.590,56 EUR - Matična številka 5040736  
Družna št.: 45177607

DAS  
82  
9-89

Heat: 255102/9767

Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

Job: <u>207416</u> Part No. <u>D5802-1</u>		<b>DISPOSITION</b> Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input checked="" type="checkbox"/>		<b>DEPARTMENT/PROCESS</b> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div style="width: 50%;">           Cross tube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/> </div> <div style="width: 50%;">           Eng. (Non-AW) <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/> </div> <div style="width: 50%;">           Engineering <input type="checkbox"/>            Water Jet <input type="checkbox"/>            Supplier <input type="checkbox"/>            Quality <input type="checkbox"/> </div> </div>					
Date :		Sequence #:		QTY Affected :			MRB (QSI042)		
<b>Description Work Order Deviation</b> D5802-1 dwg calls for 3003-H22				<b>Disposition</b> 3003-H12 or 3003-1414 is acceptable Drawing will be updated				NO 20.03.05 Completed By NO 20.03.05 Lead hand / Supervisor  QC / QA Coordinator	
<b>Root Cause</b> <div style="display: flex; flex-direction: column;"> <div>Operator <input type="checkbox"/></div> <div>Manufacturing Process <input type="checkbox"/></div> <div>Equip/Tooling <input type="checkbox"/></div> <div>Handling/Presservation <input type="checkbox"/></div> <div>Material <input type="checkbox"/></div> <div>Product Improvement <input type="checkbox"/></div> <div>Process Improvement <input type="checkbox"/></div> <div>Human Factors <input type="checkbox"/></div> </div>		<b>FAULT CATEGORY</b> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> Pressure/Forced  <input type="checkbox"/> Bending  <input type="checkbox"/> Crushing  <input type="checkbox"/> Cracks  <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist  <input type="checkbox"/> Marks/Chatter  <input type="checkbox"/> Mislabeled         </div> <div style="width: 33%;"> <input type="checkbox"/> Contamination  <input type="checkbox"/> Misaligned/off center  <input type="checkbox"/> BOM/Route  <input type="checkbox"/> Broken/Damage/Defect  <input type="checkbox"/> Incomplete/Unclear Instructions  <input type="checkbox"/> Drill Holes  <input type="checkbox"/> Fit/Function         </div> <div style="width: 33%;"> <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Folio/Program  <input type="checkbox"/> Grain Direction  <input type="checkbox"/> Weld  <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Out of Sequence  <input type="checkbox"/> Off-set/Set-up         </div> <div style="width: 33%;"> <input type="checkbox"/> Positioned Wrong  <input type="checkbox"/> Outside Tolerance  <input type="checkbox"/> Drawing  <input type="checkbox"/> Finish  <input type="checkbox"/> Part Lost/Missing  <input type="checkbox"/> Misread         </div> </div>							
		Other/Details:							